

*21 encl 3
11/2/04*

In the Claims

Claims 1 - 8 Cancelled

1 ~~9.~~ (Currently Amended) An isolated and purified Lawsonia intracellularis outer membrane protein, comprising the amino acid sequence as set forth in immunoreactive with antisera to SEQ ID NO: 2 and having a molecular weight of about 37 kD as determined by sodium dodecyl sulphate polyacrylamide gel electrophoresis.

Claims 10 - 12 Cancelled

~~13.~~ (Previously presented) The Lawsonia intracellularis Outer Membrane Protein according to claim 9, comprising SEQ ID NO: 2.

Claims 14 - 17 Cancelled

2 ~~18.~~ (Currently amended) An immunogenic composition comprising an immunogenically effective amount of a the protein according to claim 9, and a pharmaceutically acceptable carrier.

3 ~~19.~~ (Previously amended) An immunogenic composition *2 further* according to claim ~~18,~~ comprising an adjuvant.
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20. (Previously amend d) The immunogenic composition according to claim 18, ^{2 further} comprising at least one antigen in addition to the *Lawsonia intracellularis* outer membrane protein derived from a virus or micro-organism pathogenic to pigs or genetic information encoding said antigen.

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21. (Previously amended) The immunogenic composition according to claim 20, ⁴ wherein said virus or micro-organism pathogenic to pigs is selected from the group consisting of Pseudorabies virus, Porcine influenza virus, Porcine parvo virus, Transmissible gastro-enteritis virus, Rotavirus, *Escherichia coli*, *Erysipelo rhusiopathiae*, *Bordetella bronchiseptica*, *Salmonella choleraesuis*, *Haemophilus parasuis*, *Pasteurella multocida*, *Streptococcus suis*, *Mycoplasma hyopneumoniae* and *Actinobacillus pleuropneumoniae*.

Claims 22 - 37 Cancelled

38. (Currently amended) An immunogenic composition for combating *Lawsonia intracellularis* infection comprising a the protein according to claim 9.